

I CLAIM:

1. A lens adapted for securement to a holder, for transmission of light, comprising
  - a) a lens body, defining an axis,
  - b) threading on the lens body extending about said axis, for reception in threading associated with the holder,
  - c) a holder that extends about the lens and is configured to expand in response to interfering engagement of the threading on the lens body with said threading associated with the holder, allowing thread slippage to limit tightening of the holder onto the lens,
  - d) and an axially compressible locking ring on the lens to be resiliently compressed as the holder is tightened on the lens, creating pressure and locking friction at thread or thread interengagement locations.
2. The lens of claim 1 wherein said threading on the lens body includes multiple threads extending about said axis.

3. The lens of claim 2 wherein said threads are foreshortened to allow for tightening into the threading associated with the holder in less than about one full turn of the lens relative to the holder.

4. The lens of claim 2 wherein said multiple threads on the lens body extend only part way about said axis.

5. The lens of claim 2 wherein said multiple threads on the lens body extend only about half way about said axis.

6. The lens of claim 4 wherein there are six of said threads on the lens body.

7. The lens of claim 5 wherein there are six of said threads on the lens body.

8. The lens of claim 1 wherein said lens body is generally cylindrical, and said threading on said body extends peripherally of said body, and spirals about said axis.

9. The lens of claim 6 wherein said lens body is generally cylindrical, and said threading on said body extends peripherally of said body, and spirals about said axis.

10. The lens of claim 8 including a light transmitting cap on said body at one end thereof.

11. The lens of claim 1 wherein said locking ring consists of one of the following:

- i) metal
- ii) an elastomer

12. The lens of claim 1 wherein said holder extends about the lens threading, the threading associated with the holder having axial extent lesser than the axial extent of said threading on the lens.

13. The lens of claim 12 wherein the threading associated with the holder includes multiple threads each having more than one full turn about the lens body, and the threading on the lens body includes multiple threads each having less than one full turn about said axis.

14. The lens of claim 12 wherein the threading associated with the holder includes six threads each having about two full turns about the lens body, and the threading on the lens body includes six threads each having about one-half full turn about said axis.

15. The lens of claim 1 wherein the holder comprises an axially compressible metallic locking ring.

16. The lens of claim 1 including an LED or LEDs in end alignment with the lens and a plug carrying the LED or LEDs, within the holder.

17. The lens of claim 16 wherein the plug has pins, and there being multiple female terminals carried by the holder, with less than all of said terminals receiving said pins.

18. The lens of claim 17 wherein there are six of said female terminals, said pins on the plug being one of the following:

- i) two pins
- ii) four pins

19. The lens of claim 17 including circuitry to provide selected current or voltage level energization to the LED or LEDs, via such pins.

20. The lens of claim 18 including circuitry to provide selected current or voltage level energization to the LED or LEDs, via such pins.

21. The lens of 11 including an axially compressible grommet on the lens to be resiliently compressed as the holder is tightened on the lens, creating pressure and locking friction at thread to thread interengagement locations.

22. A lens adapted for securement to a holder for transmission of light comprising
- a) a lens body, defining an axis,
  - b) threading on the lens body extending about said axis, for reception in threading associated with the holder,
  - c) and including said holder that extends about the lens and is configured to expand in response to interfering engagement of the threading on the lens body with said threading associated with the holder, allowing thread slippage to limit tightening of the holder onto the lens,
  - d) there being an axially compressible locking ring on the lens to be resiliently compressed as the holder is tightening on the lens body, creating pressure and locking friction at thread to thread interengagement locations,
  - e) said locking ring consisting of one of the following:
    - x<sub>1</sub>) metallic material
    - x<sub>2</sub>) an elastomer.

23. The combination of claim 1 wherein said locking ring has teeth that projects to be axially compressible in teeth bending mode.

24. The combination of claim 23 wherein certain teeth have ends projecting in one axial direction and other teeth have ends projecting in the opposite direction.

25. The combination of claim 24 including a mounting panel through which the lens body projects, said certain teeth ends engaging the panel, and said other teeth ends engaging the holder.

26. The combination of claim 23 wherein the locking ring is metallic.